

**ABSTRACT OF THE DISCLOSURE**

- A method for effecting synchronous pulse generation for use in variable speed serial communications is provided. The method includes the steps of obtaining a communication link speed; generating a difference signal representing a signal level difference between at least two data stream signals; providing a clock signal;
- 5 providing a counter; defining a sample count value of the counter using the communication link speed; incrementing the counter in relation to the clock signal; and determining whether a current count value of the counter corresponds to the sample count value. If the current count value corresponds to the sample count value, then the method performs a step of generating a synchronous pulse. If the current
- 10 count value does not correspond to the sample count value, then the method performs a step of determining whether a signal level of said difference signal has changed, and if the signal level of the difference signal has changed then performing a step of ignoring further changes in the signal level of the difference signal until the current count value of the counter corresponds to the sample count value at which time the
- 15 step of generating the synchronous pulse is repeated.